

METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR  
DEFIBRILLATION BY APPLYING STIMULUS TO A FASTEST ACTIVATING  
REGION OF A HEART

ABSTRACT

Methods for defibrillating a heart in fibrillation can include detecting fibrillation of the heart and applying a defibrillation stimulus to a fastest activating region of the fibrillating heart. Applying electrical stimuli to the region of the heart containing the fastest activating region may cause the "mother rotor" to halt, thereby interrupting fibrillation of the heart. Alternatively, applying the electrical stimuli to a region of a heart not in fibrillation but is likely to include the mother rotor during fibrillation may reduce the likelihood that fibrillation may occur in the heart.